



A career in clinical research

insights from the field

Dr. Bernhard Remes

19.03.2025

Introduction – About Me

My Career Path in Clinical Research



Bachelor of Science, Applied Biology, Bonn

09/2006 – 09/2009

Master of Science, Biologie, Gießen

09/2009 – 09/2011

PhD, Mikro- und Molekularbiologie (AG Klug), Gießen

10/2011 – 11/2015

Member of "IRTG Enzymes and Multienzyme Complexes" and "GGL"

03/2012 – 11/2015

PostDoc, Mikro- und Molekularbiologie (AG Klug), Gießen

11/2015 – 10/2016

What is clinical research

Advancing Medicine Through Research



Definition & Purpose of Clinical Research

- Clinical research investigates new treatments, drugs, medical devices, and procedures to improve patient care.
- It ensures that medical interventions are safe and effective before they are widely used.
- Research spans from early discovery to post-market surveillance.

Importance for Medicine & Society

- Drives medical innovation and advances patient care.
- Helps identify the best treatment options for various diseases.
- Ensures the safety and efficacy of drugs, vaccines, and therapies.
- Addresses unmet medical needs and improves quality of life.



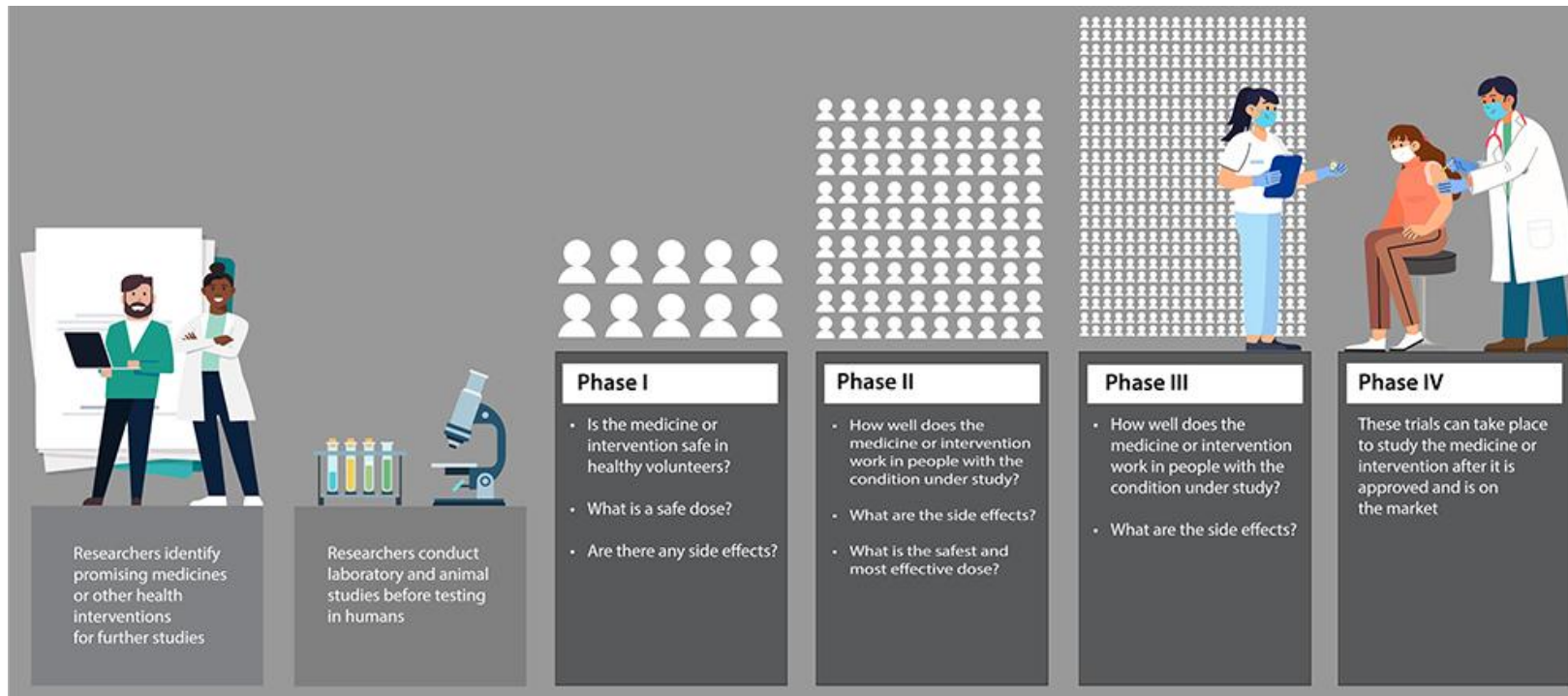
What is a clinical trial

From Development to Approval



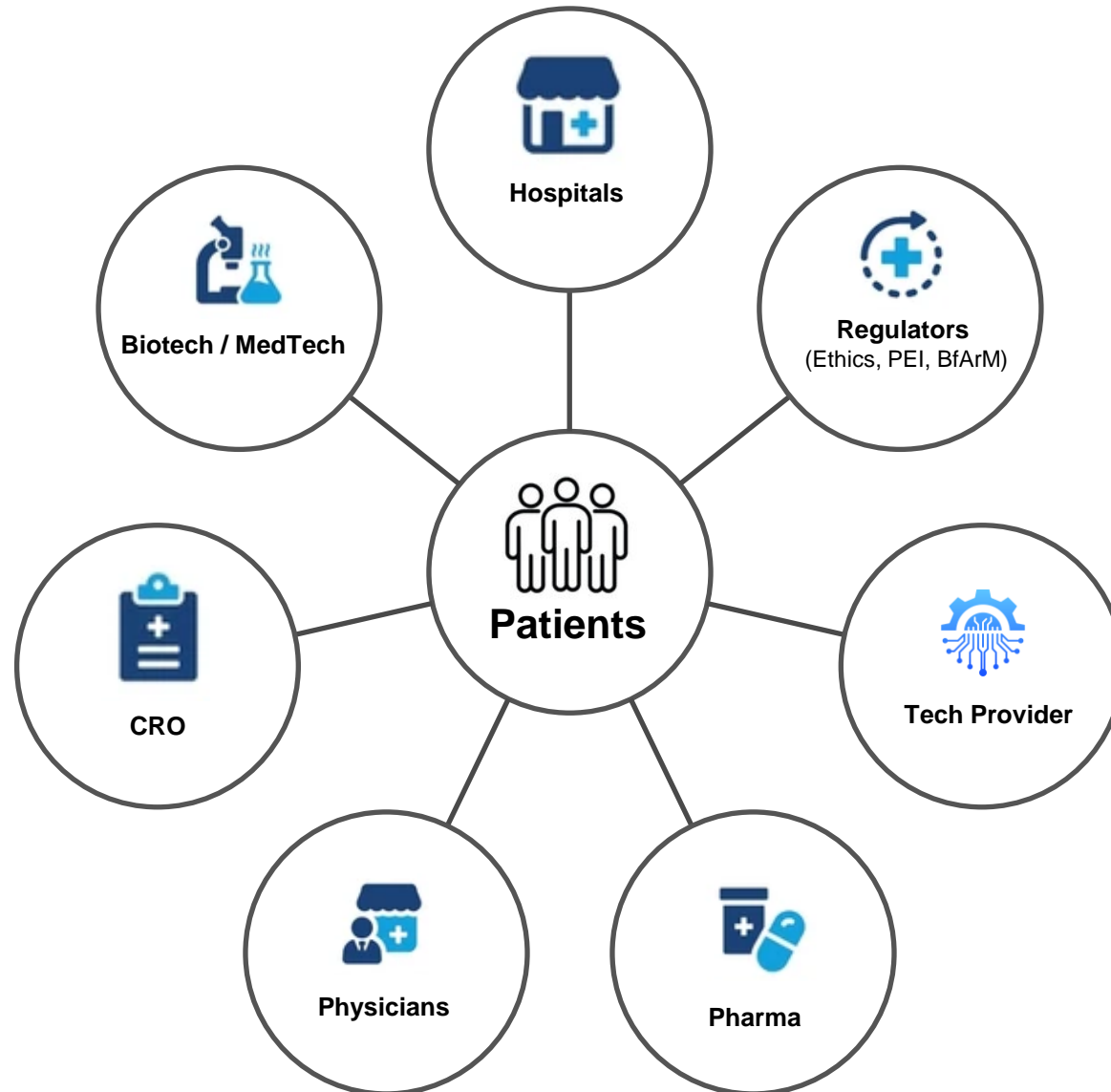
Definition & Purpose of Clinical Trials

- A clinical trial tests the safety and effectiveness of medical treatments, drugs, or devices in humans.
- Trials follow strict protocols to ensure reliable results and protect participants.
- They provide critical data for regulatory approvals and medical advancements.



Key Stakeholders in Clinical Research

The Ecosystem of Clinical Research



Career Opportunities in Clinical Research

Your Pathway into the Industry



Why Clinical Research

- Apply your scientific expertise in a real-world healthcare setting.
- Growing industry with global job opportunities.
- Diverse career paths beyond academia and lab work.
- Impactful work that advances medicine and improves patient care.

Role	Main Responsibilities	Relevant Skills & Background
Clinical Research Associate (CRA)	Monitors clinical trials, ensures compliance with protocols & GCP	Attention to detail, regulatory knowledge, communication, Travel willingness
Clinical Project Manager	Oversees trial timelines, budget, and coordination of cross-functional teams	Project management, leadership, problem-solving
Data Manager	Manages clinical trial data, ensures data integrity	Data analysis, database management, bioinformatics
Biometrician / Data Scientist	Analyzes trial data and interprets results	Statistics, R/Python/SAS, analytical thinking
Regulatory Affairs Specialist	Prepares submissions for regulatory agencies	Knowledge of EMA/FDA guidelines, document management
Medical Writer	Writes study protocols, reports, and publications	Strong writing skills, scientific background, Medical Expertise
Quality Control Analyst	Conduct tests, Ensure GMP compliance, Review test documentation	Knowledge of GMP, GLP, FDA; Experience with lab equipment (HPLC)

Opportunities in the Region

Key employers and industries



Pharmaceutical and Biotechnology Companies

- **BioNTech:** A biotechnology company specializing in immunotherapies for cancer and other serious diseases.
- **Fresenius:** A global healthcare group offering products and services for dialysis, hospitals, and outpatient medical care.
- **GSK:** A multinational pharmaceutical company developing a broad range of medicines and vaccines.
- **CSL:** A global biotechnology company that develops and delivers innovative therapies derived from human plasma



CSL Behring



BIONTECH



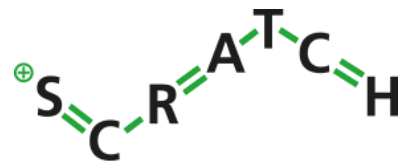
Opportunities in the Region

Key employers and industries



Contract Research Organizations (CROs) and Service Provider

- **Alcedis GmbH:** A CRO specializing in clinical research services, including monitoring and project management. They have job openings for Clinical Research Associates in the Gießen area.
- **FGK Clinical Research:** A full-service CRO in Frankfurt providing clinical development and consulting services to pharmaceutical, biotechnology, and medical device companies.
- **Scratch:** Pharmacovigilance provider based in Wetzlar. Pharmacovigilance refers to the practice of monitoring the safety of pharmaceutical products and ensuring that they remain safe for use after they are released to the market.
- **Esculape GmbH:** Provides clinical data management services, including study oversight, data privacy consulting; located in Gladenbach
- **IQVIA:** With >80,000 employees one of the biggest CROs worldwide, provides advanced analytics, technology solutions, and clinical research services to the life sciences industry.



Opportunities in the Region

Key employers and industries



Research Centers and Academic Institutions

- **Coordinating Center for Clinical Trials (KKS) at Philipps-Universität Marburg:** An institution supporting the planning, application, implementation, and evaluation of clinical studies.
- **University Hospital Giessen and Marburg (UKGM):** A major medical center involved in clinical research and trials



Opportunities in the Region

Key employers and industries



Regulatory Authorities

- **Federal Institute for Drugs and Medical Devices (BfArM):** The German authority responsible for approving and monitoring drugs and medical devices.
- **Paul-Ehrlich-Institut (PEI):** The federal agency responsible for vaccines and biomedicines



Bundesinstitut
für Arzneimittel
und Medizinprodukte

Paul-Ehrlich-Institut



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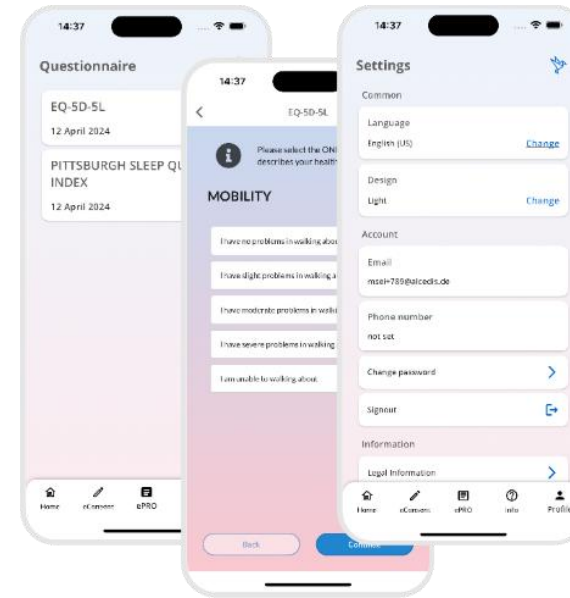
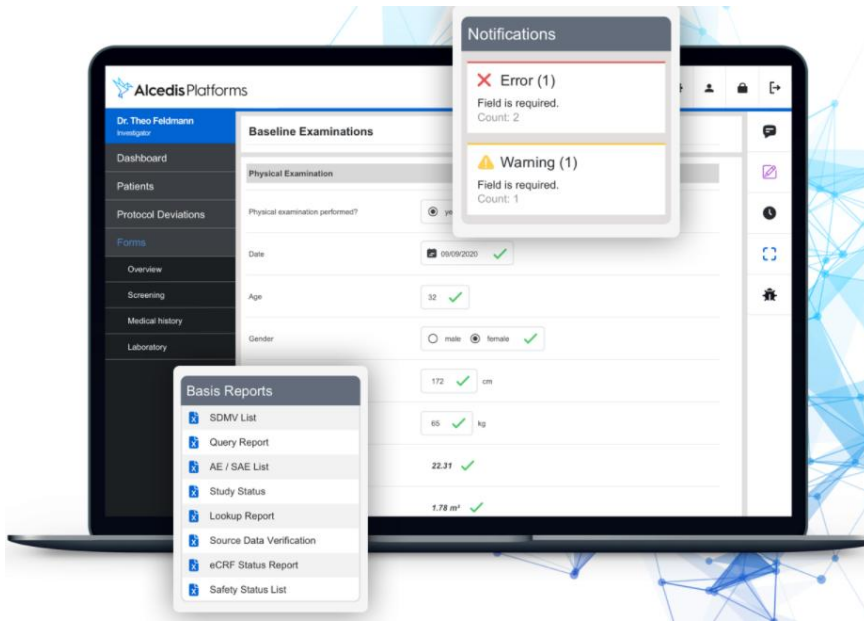
Business Analyst-EDC Systems, Alcedis

11/2016 – 07/2017

Business Analyst-EDC Systems



- Analysis and coordination of the user requirements specification
- Provision of the entire specification for the realization of an EDC system
- Creation of the software life cycle documents, and risk analyses



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Business Analyst-EDC Systems, Alcedis

11/2016 – 07/2017

Clinical Data Manager, Alcedis

08/2017 – 06/2018

Clinical Data Manager



- Organization and conduct of data entry
- Support and supervision of the investigators during documentation
- Programming of SAS reports for regular data reviews
- Checking the data for plausibility (Data Reviews)
- Coding of free text entries

The screenshot shows the SAS Studio interface. On the left is a 'Files and Folders' pane. The main window is titled '*Program 1' and has tabs for CODE, LOG, RESULTS, and OUTPUT DATA. The CODE tab is active, showing a SAS program with the following code:

```
62 data europeancars;  
63 set sasHELP.cars;  
64 where origin='Europe';  
65 run;
```

Below the code, the LOG tab shows the execution output:

```
NOTE: There were 123 observations read from the data set SASHELP.CARS.  
WHERE origin='Europe';  
NOTE: The data set WORK.EUROPEANCARS has 123 observations and 15 variables.  
NOTE: DATA statement used (Total process time):  
real time 0.02 seconds  
cpu time 0.01 seconds
```

At the bottom of the log, there is another note:

```
NOTE: There were 123 observations read from the data set WORK.EUROPEANCARS.  
NOTE: PROCEDURE PRINT used (Total process time):  
real time 0.52 seconds  
cpu time 0.49 seconds
```

On the right side of the SAS Studio window, there is a vertical blue banner with the word 'TUTORIAL' written vertically.

The screenshot shows an Excel spreadsheet with a data table. The table has columns for Date, Region, Type, Brand, Units, Unit Cost, Total, and various other metrics. The data is organized in a repeating pattern of rows for different dates and regions.

Date	Region	Type	Brand	Units	Unit Cost	Total	Date	Region	Type	Brand	Units	Unit Cost	Total	Date	Region	Type	Brand	Units	Unit Cost	Total
1/2/15	East	Jones	Pencil	19	1.99	37.81	1/2/15	East	Jones	Pencil	19	1.99	37.81	1/2/15	East	Jones	Pencil	19	1.99	37.81
1/23/15	Central	Kivell	Binder	50	19.99	999.50	1/23/15	Central	Kivell	Binder	50	19.99	999.50	1/23/15	Central	Kivell	Binder	50	19.99	999.50
2/9/15	Central	Jardine	Pencil	36	4.99	179.64	2/9/15	Central	Jardine	Pencil	36	4.99	179.64	2/9/15	Central	Jardine	Pencil	36	4.99	179.64
2/26/15	Central	Gill	Pen	27	13.99	376.73	2/26/15	Central	Gill	Pen	27	13.99	376.73	2/26/15	Central	Gill	Pen	27	13.99	376.73
3/15/15	West	Scorvino	Pencil	56	2.99	167.44	3/15/15	West	Scorvino	Pencil	56	2.99	167.44	3/15/15	West	Scorvino	Pencil	56	2.99	167.44
4/1/15	East	Jones	Binder	60	4.99	299.40	4/1/15	East	Jones	Binder	60	4.99	299.40	4/1/15	East	Jones	Binder	60	4.99	299.40
4/18/15	Central	Andrews	Pencil	75	1.99	149.25	4/18/15	Central	Andrews	Pencil	75	1.99	149.25	4/18/15	Central	Andrews	Pencil	75	1.99	149.25
5/7/15	Central	Jardine	Pencil	90	4.99	449.10	5/7/15	Central	Jardine	Pencil	90	4.99	449.10	5/7/15	Central	Jardine	Pencil	90	4.99	449.10
5/22/15	West	Thompson	Pencil	32	1.99	63.68	5/22/15	West	Thompson	Pencil	32	1.99	63.68	5/22/15	West	Thompson	Pencil	32	1.99	63.68
6/8/15	East	Jones	Binder	60	8.99	539.40	6/8/15	East	Jones	Binder	60	8.99	539.40	6/8/15	East	Jones	Binder	60	8.99	539.40
6/25/15	Central	Morgan	Pencil	90	4.99	449.10	6/25/15	Central	Morgan	Pencil	90	4.99	449.10	6/25/15	Central	Morgan	Pencil	90	4.99	449.10
7/12/15	East	Howard	Binder	29	1.99	57.71	7/12/15	East	Howard	Binder	29	1.99	57.71	7/12/15	East	Howard	Binder	29	1.99	57.71
7/29/15	East	Parent	Binder	81	13.99	1133.19	7/29/15	East	Parent	Binder	81	13.99	1133.19	7/29/15	East	Parent	Binder	81	13.99	1133.19
8/15/15	East	Jones	Pencil	35	4.99	174.65	8/15/15	East	Jones	Pencil	35	4.99	174.65	8/15/15	East	Jones	Pencil	35	4.99	174.65
9/1/15	Central	Smith	Desk	2	125.00	250.00	9/1/15	Central	Smith	Desk	2	125.00	250.00	9/1/15	Central	Smith	Desk	2	125.00	250.00
9/18/15	East	Jones	Pen Set	18	13.99	251.84	9/18/15	East	Jones	Pen Set	18	13.99	251.84	9/18/15	East	Jones	Pen Set	18	13.99	251.84
10/5/15	Central	Morgan	Binder	28	8.99	251.72	10/5/15	Central	Morgan	Binder	28	8.99	251.72	10/5/15	Central	Morgan	Binder	28	8.99	251.72
10/22/15	East	Jones	Pen	64	8.99	575.36	10/22/15	East	Jones	Pen	64	8.99	575.36	10/22/15	East	Jones	Pen	64	8.99	575.36
11/8/15	East	Parent	Pen	15	19.99	299.85	11/8/15	East	Parent	Pen	15	19.99	299.85	11/8/15	East	Parent	Pen	15	19.99	299.85
11/25/15	Central	Kivell	Pen Set	96	4.99	479.04	11/25/15	Central	Kivell	Pen Set	96	4.99	479.04	11/25/15	Central	Kivell	Pen Set	96	4.99	479.04
12/12/15	Central	Smith	Pencil	67	1.29	86.43	12/12/15	Central	Smith	Pencil	67	1.29	86.43	12/12/15	Central	Smith	Pencil	67	1.29	86.43
12/29/15	East	Parent	Pen Set	78	13.99	1101.36	12/29/15	East	Parent	Pen Set	78	13.99	1101.36	12/29/15	East	Parent	Pen Set	78	13.99	1101.36
1/15/16	Central	Gill	Binder	46	8.99	413.54	1/15/16	Central	Gill	Binder	46	8.99	413.54	1/15/16	Central	Gill	Binder	46	8.99	413.54
2/1/16	Central	Smith	Binder	87	15.00	1305.00	2/1/16	Central	Smith	Binder	87	15.00	1305.00	2/1/16	Central	Smith	Binder	87	15.00	1305.00
2/18/16	East	Jones	Binder	4	4.99	19.96	2/18/16	East	Jones	Binder	4	4.99	19.96	2/18/16	East	Jones	Binder	4	4.99	19.96
3/7/16	West	Scorvino	Binder	7	19.99	139.93	3/7/16	West	Scorvino	Binder	7	19.99	139.93	3/7/16	West	Scorvino	Binder	7	19.99	139.93
3/24/16	Central	Jardine	Pen Set	50	4.99	249.50	3/24/16	Central	Jardine	Pen Set	50	4.99	249.50	3/24/16	Central	Jardine	Pen Set	50	4.99	249.50
4/10/16	Central	Andrews	Pencil	66	1.99	131.34	4/10/16	Central	Andrews	Pencil	66	1.99	131.34	4/10/16	Central	Andrews	Pencil	66	1.99	131.34

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Business Analyst-EDC Systems, Alcedis

11/2016 – 07/2017

Clinical Data Manager, Alcedis

08/2017 – 06/2018

Head of Data Management, Alcedis

07/2018 – 05/2021

Head of Data Management



- Responsibility for onboarding (training documents) of new employees
- Time and resource planning (coordination of projects)
- Consulting, mentoring and controlling of projects and project teams
- Participation in audits, kick-offs, bid defense meetings
- Budget control
- Review/optimization of internal and external processes

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Business Analyst-EDC Systems, Alcedis

11/2016 – 07/2017

Clinical Data Manager, Alcedis

08/2017 – 06/2018

Head of Data Management, Alcedis

07/2018 – 05/2021

Managing Director, Alcedis

06/2021 –

Managing Director



- Strategic positioning of the company; periodic review of the business model
- Development and review of parameter to evaluate performance of overall business and / or business units
- Company representation, Acquisition, Customer relations
- Financial management / Controlling
- Assuring human resources and operational requirements for a QM System and the Quality Assurance
- Conduction of compliance trainings for employees



Portfolio

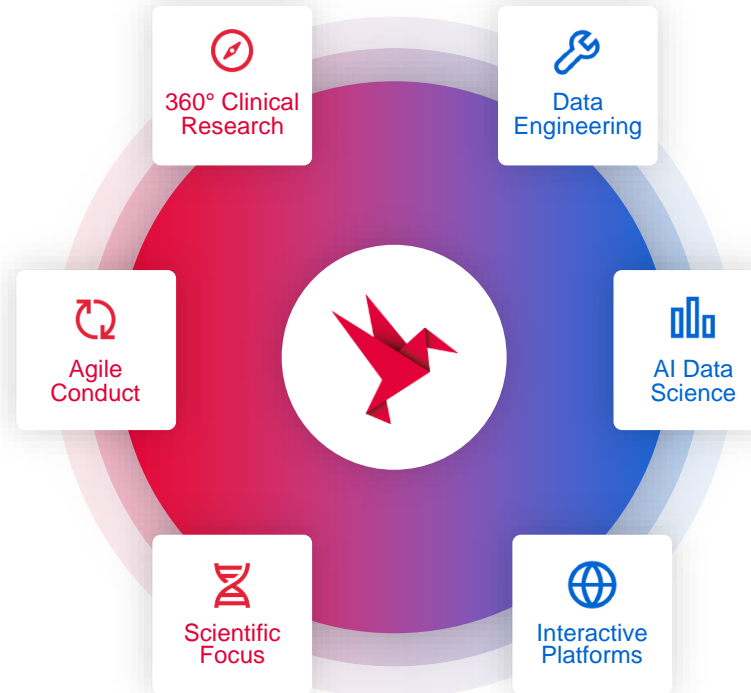
Services & Technology



- Clinical Operations
- Regulatory Monitoring
- Medical Writing
- Data Management
- Pharmacovigilance
- Biometrics
- Sponsor Oversight

CRO-Services

With over 30 years of experience, we support you on a global scale from phase I to drug approval, beyond market access into real world evidence.



- eCRF / EDC
- ePRO / eCOA
- eCONSENT
- EHR2EDC
- Integrations
- Telemedicine
- AI Solutions
- Analytics

Alcedis IT-Solutions

Our platform is a powerful technology for multi-channel data integration in clinical studies - with customized eCRFs, mobile applications, big data interfaces and much more to explore.



Alcedis in Numbers

Experience in relation to study type/sponsorship/indication

Supported Indications

Oncology	Neurology	Psychotherapy
Pneumology	Angiology	Nephrology
Gynaecology	Virology	Immunology
Dermatology	Gastroenterology	Paediatrics
Diabetes	Rheumatology	Rare Diseases
Cardiology	Urology	Diagnostics
Ophtalmology	Haematology	Pathology

650.000 +
Patients

2 +
Decades of experience

180 +
Employees

45.000 +
EDC Users

670 +
Web-based projects

70 +
AlcedisCONNECT partner countries

35 +
Alcedis Platform Partners

Ranking: Experience by Study Type

- 1 Post Market Approval
- 2 Early Phase
- 3 Late Phase

Experience by Sponsor



73 % Industry sponsored
27 % Investigator initiated



AlcedisCONNECT

Geographical Footprint

Local activities (regulatory submissions, site support (e.g. contracts) in local language & monitoring are carried out via qualified long-term partners.

Central project management, medical writing, data management, safety, statistics and EDC are kept centrally at Alcedis.



Client Portfolio

Industry leaders and world-class academic organizations have trusted us to deliver key studies



10+ Years lasting relationships



Current Job Openings

Join Our Team



Spezialist Software Spezifikation - Technical Business Analyst (m/w/d) New
Gießen, Vollzeit (40 Std./Woche) >

Senior Business Development Executive Clinical Research - East Coast, USA | Remote New
East Coast USA, full-time (40 hrs/week) >

Clinical Project Manager - East Coast, USA | Remote New
East Coast USA, full-time (40 hrs/week) >

Head of Quality Assurance (m/w/d) New
Gießen, Vollzeit (40 Std./Woche) >

Quality Assurance Manager - Schwerpunkt Audits (m/w/d) New
Gießen, Vollzeit (40 Std./Woche) >

IT-Projektmanager (m/w/d) New
Gießen, Vollzeit (40 Std./Woche) >

Softwareentwickler (m/w/d) New
Gießen, Vollzeit (40 Std./Woche) >

Business Development Manager Life Sciences/ Clinical Research (m/w/d) New
Gießen, Vollzeit (40 Std./Woche) >

Projektmanager klinische Studien/ Clinical Project Manager (m/w/d)
Gießen, Vollzeit (40 Std./Woche) >

Senior Medical Writer (m/w/d)
Gießen, Voll- oder Teilzeit (mind. 30 Std./Woche) >

Projektassistenz im Bereich klinische Studien/ Project Assistant Clinical Operations (m/w/d)
Gießen, Vollzeit (40 Std./Woche) >

Proposal Manager im Business Development (m/w/d)
Gießen, Vollzeit (40 Std./Woche) >

Projektmanager klinische Studien (Schwerpunkt RWE) / Project Manager Data Business (m/w/d)
Gießen, Vollzeit (40 Std./Woche) >

Projektmanager klinische Studien (Schwerpunkt ATMP) / Clinical Project Manager (m/w/d)
Gießen, Vollzeit (40 Std./Woche) >

Job Interview

Do's and Don'ts for a Successful Interview (Personal opinion!)



- **Language Awareness** – Be ready to switch between German and English
- **Understand Clinical Research Basics** – Be familiar with key concepts like GCP
- **Research the Company & Role** – Know their pipeline and therapeutic areas
- **Ask Insightful Questions** – Demonstrate curiosity and engagement
- **Be Prepared & Authentic** – Recall key points from the first interview
- **Show Enthusiasm & Motivation** – Express interest in the role and company

Accelerating Process in Human Health.

Let`s create an impact. Together.

Contact our Human Resource Department:

jobs@alcedis.de

Phone consultation:

+49 641 944 36-0

